SCIENCE ACTIVITIES

Index to Volume 22 1985

Abrams, Isabel S. "Why Study Science?" Nov./Dec., p. 39.

Adler, Howard, and Sam Totten. See Nuclear Issues.

"Another Look at the Wolf Next Door" (John W. McLure), Apr./May, p. 29.

"Bees in the Classroom" (Ernest W. Boone), Apr./May, p. 20.

Bellacicco, Lori W. "Volcano! Let's Make One," Nov./Dec., p. 30.

BIOGRAPHY: See McLure. Also, Nuclear Scientists.

BIOLOGY: See Boone, Burns, Burns & McKenzie, Hunt, McCarthy, McLure, Owens, Walby, Winkeljohn & Earl.

BIRDS: See McLure. Also, "Step-by-Step Bird Feeders."

Bogart, M. Dewey. "A Strange Phenomenon," Feb./Mar., p. 30. Bollinger, Richard. "Tarnic, the Smok-

ing Robot," Apr./May, p. 35.

Boone, Ernest W. "Bees in the Classroom," Apr./May, p. 20.

Burns, Joe. "Gathering Insect Behavior Data," Apr./May, p. 10; "Making Your Own Insect Collecting Apparatus," Apr./May, p. 15; "Test Tube Optics," Nov./Dec., p. 16.

C

"Continental Jigsaw" (Richard H. Oringer), Apr./May, p. 39.

Cory, Frank. "Shoebox Science-A Way to Individualize Your Program," Feb./ Mar., p. 17.

Demchik, Michael J. "How Science Activities Can Make Mathematical Conceptualizations a Reality," Feb./Mar., p. 24.

"Determining a Biome from Collected Specimens" (Mary Beth McCarthy), Sept./Oct., p. 15.

Duschl, Richard A. "Using Wood Blocks in Teaching Data Process Skills," Nov./ Dec., p. 26.

Earl, Robert D., and Dorothy R. Winkeljohn. "Mealworms in the Classroom," Sept./Oct., p. 33.

EARTH SCIENCE: See Bellacicco, Fortner, Kline, Oringer, Rudkin & Fenton,

ECOLOGY: See Ludwig, Owens.

"Ecology and Education: A Holistic Viewpoint" (David F. Ludwig), Apr./May,

ENERGY: See Ward.

ENTOMOLOGY: See Boone, Burns, Burns & McKenzie, Winkeljohn & Earl.

"Falling Up-A Conceptual Introduction to Inertia and Centripetal Force" (Carolyn Sumners), Feb./Mar., p. 9.

Fenton, Peter E., and David M. Rudkin. "Preserving Fossils: An Introduction to Basic Techniques," Sept./Oct., p. 26. Fortner, Rosanne W. "Tracking the Gales of November," Sept./Oct., p. 8.

From Headaches to Corn Flakes in the Energy Circus" (Alan Ward), Nov./ Dec., p. 21.

"Games Made for-and by-Students" (Nancy Walby), Feb./Mar., p. 27.

Gathering Insect Behavior Data" (Joe Burns & Danny L. McKenzie), Apr./May, p. 10.

GENERAL: See Abrams, Bollinger, Cory, Owens, Rakow & Krustchinsky, Walby.

"How Science Activities Can Make Mathematical Conceptualizations a Reality" (Michael J. Demchik), Feb./Mar., p. 24.

Hunt, John D. "Marine Snail Investigations," Sept./Oct., p. 38.

'Introducing Fifth Graders to Energy" (Alan Ward), Nov./Dec., p. 22.

Jaus, Harold H. "Observation Activities for Middle School Science Students,' Sept./Oct., p. 30.

Kline, John L. "Maps as Models," Feb./ Mar., p. 34.

Krustchinsky, Rick, and Steven J. Rakow. "Testing the Truth in Advertising," Nov./Dec., p. 18.

"Let Them Make Slides!" (Jan Owens), Apr./May, p. 26.

Ludwig, David F. "Ecology and Education: A Holistic Viewpoint," Apr./May,

"Making Your Own Insect Collecting Apparatus" (Joe Burns), Apr./May, p. 15. "Maps as Models" (John L. Kline), Feb./ Mar., p. 34.

MARINE BIOLOGY: See Hunt, Owens. "Marine Snail Investigations" (John D. Hunt), Sept./Oct., p. 38.

MATHEMATICS: See Bogart, Demchik. McCarthy, Mary Beth. "Determining a Biome from Collected Specimens," Sept./Oct., p. 15.

McKenzie, Danny L., and Joe Burns. "Gathering Insect Behavior Data,"

Apr./May, p. 10 McLure, John W. "Another Look at the Wolf Next Door," Apr./May, p. 29; "Mysteries of Bird Behavior for Science Projects," Nov./Dec., p. 10; "A Partnership Framework for Writing Avian Biography,' Feb./Mar., p. 12.

Mealworms in the Classroom" (Dorothy R. Winkeljohn & Robert D. Earl),

Sept./Oct., p. 33.

"Microfossils as Climate Indicators"
(Warren E, Yasso), Sept./Oct., p. 22.
"Mysteries of Bird Behavior for Science
Projects" (John W. McLure),
Nov./Dec., p. 10.

N

NUCLEAR ISSUES: Nuclear Scientists series (Sam Totten & Howard Adler).

"Niels Bohr," Sept./Oct., p. 36;
"Enrico Fermi," Apr./May, p. 40;
"James Franck," Nov./Dec., p. 42;
"Edward Teller," Feb./Mar., p. 32.
Nuclear Scientists series. See Nuclear Issues.

O

"Observation Activities for Middle School Science Students" (Harold H. Jaus), Sept./Oct., p. 30

Oringer, Richard H. "Continental Jigsaw," Apr./May, p. 39. Owens, Jan. "Let Them Make Slides!"

Owens, Jan. "Let Them Make Slides!" Apr./May, p. 26; "Papermaking," Nov./Dec., p. 37; "Pie Plate Icosahedrons," Nov./Dec., p. 36; "Salt Water, Fresh Water," Apr./May, p. 27.

P

"Papermaking" (Jan Owens), Nov./ Dec., p. 37.

"A Partnership Framework for Writing Avian Biography" (John W. McLure), Feb./Mar., p. 12.

PHYSICAL SCIENCE: See Burns, Demchik.

PHYSICS: See Sumners.

"Pie Plate Icosahedrons" (Jan Owens),

Nov./Dec., p. 36.
"Preserving Fossils: An Introduction to

Basic Techniques' (David M. Rudkin & Peter E. Fenton), Sept./Oct., p. 26. PROCESS SKILLS: See Burns & McKenzie, Duschl, Jaus.

R

Rakow, Steven J., and Rick Krustchinsky.
"Testing the Truth in Advertising,"
Nov./Dec., p. 18.

Rudkin, David M., and Peter E. Fenton. "Preserving Fossils: An Introduction to Basic Techniques," Sept./Oct., p. 26.

5

"Salt Water, Fresh Water" (Jan Owens), Apr./May, p. 27.

"Shoebox Science—A Way to Individualize Your Program" (Frank Cory), Feb./ Mar., p. 17.

"Step-by-Step Bird Feeders," Feb./Mar., p. 22.

"A Strange Phenomenon" (M. Dewey Bogart), Feb./Mar., p. 30.

Sumners, Carolyn. "Falling Up—A Conceptual Introduction to Inertia and Centripetal Force," Feb./Mar., p. 9.

T

"Tarnic, the Smoking Robot" (Richard Bollinger), Apr./May, p. 35.

"Testing the Truth in Advertising" (Steven J. Rakow & Rick Krustchinsky), Nov./Dec., p. 18.

aky), Nov./Dec., p. 18.
"Test Tube Optics" (Joe Burns), Nov./
Dec., p. 16.

Totten, Sam, and Howard Adler. See Nuclear Issues.

"Tracking the Gales of November" (Rosanne W. Fortner), Sept./Oct., p. 8.

..

"Using Wood Blocks in Teaching Data Process Skills" (Richard A. Duschl), Nov./Dec., p. 26.

V

"Volcano! Let's Make One" (Lori W. Bellacicco), Nov./Dec., p. 30.

W

Walby, Nancy. "Games Made for—and by—Students," Feb./Mar., p. 27.

Ward, Alan. "From Headaches to Corn Flakes in the Energy Circus," Nov./ Dec., p. 21; "Introducing Fifth Graders to Energy." Nov./Dec., p. 22.

ers to Energy," Nov./Dec., p. 22.
"Why Study Science?" (Isabel S. Abrams), Nov./Dec., p. 39.

Winkeljohn, Dorothy R., and Robert D. Earl. "Mealworms in the Classroom," Sept./Oct., p. 33.

v

Yasso, Warren E. "Microfossils as Climate Indicators," Sept./Oct., p. 22.

BOOK REVIEWS

Action for Children's Television; Kim Hays (ed.). TV, Science, and Kids: Teaching Our Children to Question. Sept./ Oct., p. 44 (Manfred Kroger).

Agostini, Franco. Math and Logic Games. Feb./Mar., p. 42 (John G. Harvey).

Apfel, Necia H. Astronomy Projects for Young Scientists. Nov./Dec., p. 44 (Elissa Malcohn).

Billard, Ruth Sawyer. Ralph C. Morrill's Museum Quality Fish Taxidermy. Feb./ Mar., p. 42 (A. Gilbert Wright).

Bilstein, Roger E. Flight in America, 1900-1983. Sept./Oct., p. 45 (C. Bruce Hunter).

Bolt, Brian. The Amazing Mathematical Amusement Arcade. Sept./Oct., p. 45 (Edwin Halfar).

Brown, Vinson. Building Your Own Nature Museum for Study and Pleasure, 2d ed. Apr./May, p. 43 (A. Gilbert Wright).

De Carlo, Nicola Alberto. Psychological Games. Apr./May, p. 46 (Barry Guinagh).

Finucane, R. C. Appearances of the Dead: A Cultural History of Ghosts. Apr./May, p. 45 (Russell F. Trimble).

Gardner, Martin (ed.). The Sacred Beetle and Other Great Essays in Science. Feb./ Mar., p. 43 (C. Bruce Hunter).

Heppenheimer, T. A. The Man-Made Sun: The Quest for Fusion Power. Apr./May, p. 43 (Laurence A. Marschall).

Hoffman, Stephen M. What's Under That Rock? Nov./Dec., p. 45 (George R.

James, Robert, and Ray Kurtz (eds.). Science and Mathematics Education for the Year 2000 and Beyond. Sept./Oct., p. 46.

Jensen, Albert C. The Cod: A Saga of the Sea, 2d ed. Sept./Oct., p. 46 (Robert W. Boenig).

Kronick, David A. The Literature of the Life Sciences: Reading, Writing, and Research. Sept./Oct., p. 46.

Macdonald, David (ed.). The Encyclopedia of Mammals. Feb./Mar., p. 43.

Schank, Roger C., with Peter C.
Childers. The Cognitive Computer: On
Language, Learning, and Artificial Intelligence. Apr./May, p. 42 (Gerald R.
Rising).

Schulman, Michael, and Eva Mekler. Bringing Up a Moral Child: A New Approach for Teaching Your Child to Be Kind, Just, and Responsible. Nov./Dec., p. 45 (Barry Guinagh).

Stiebing, William H., Jr. Ancient Astronauts, Cosmic Collisions, and Other Popular Theories About Man's Past. Apr./May, p. 44 (Joseph S. Tenn).

Swain, Roger B. Earthly Pleasures: Tales from a Biologist's Garden. Nov./Dec., p. 45 (Emanuel D. Rudolph).

Totten, Sam, and Martha Wescoat
Totten. Facing the Danger: Interviews with
20 Anti-Nuclear Activists. Nov./Dec., p.
44 (Clarence J. Murphy).

Vogl, Sonia Wolff and Robert L. Teaching Nature in Cities and Towns: Urban Outdoor Biology and Ecology. Sept./Oct., p. 44 (George C. Mallinson).

ERRATA: Due to a production error, two sentences in "Why Study Science?" an interview with Dr. Exline in the last issue, were garbled. They should read:

(1) "We inferred that there were broad plains on the moon's surface," he said. "Then we landed and the data we collected turned that inference into an interpretation, an idea or explanation based on observation."

(2) "If parents or teachers get tired of answering all those questions and say, 'Don't ask me now,' they may stifle that curiosity."

Our apologies to Dr. Exline and the author.